1.

try:

x = int(input("Enter the Dividend: "))

y = int(input("Enter the Divisor: "))

c = x/y

print(c)

except:

print("Error: Division by zero is not possible")

finally:

print("Program run finished")

2.

l = []

i = int(input("Enter the no. of elements in the List: "))

for j in range(i):

l.append(int(input("Enter Value: ")))

print("List is: ",l)

try:

a = int(input("Enter the index for which you want to see the value...\n"))

print(l[a])

except:

print("Error: list index out of range")

finally:

print("Program run finished")

3.

def isPrime(n):

for i in range(2,n):

if n%i==0:

return False

return True

while True:

num = int(input("Enter a Number: "))

try:

if num<=0:

raise Exception("Enter a value Greater than 1\n")

else:

if num==1:

print("1 is neither prime nor composite")

elif isPrime(num):

print("Prime")

break

else:

print("Composite")

break

except:

print("Numbers less than zero are not considered")

4.

import time

n = int(input("Enter the no. of items in a dictionary: "))

d = {}

for i in range(n):

print("Excepting values for User No. : ",i+1)

U = input("Enter the Username: ")

d[U] = input("Enter the Password: ")

for j in range(3,0,-1):

print("<<<Enter Your Login Details>>>")

userName = input("Enter your UserName: ")

password = input("Enter the password: ")

flag = 0

try:

for i in d:

if userName==i:

if password==d[i]:

print("Successful Login.....\n")

f = open("File.txt","r")

time.sleep(10)

print(f.read())

flag=1

break

else:

raise ValueError

except ValueError:

if j-1 ==0:

print("You have already tried 3 times...")

break

else:

print("Invalid input...Try again... ",j-1," tries left")

finally:

print("Closing the File")

f.close()

if flag==1:

break

5.

try:

n = int(input("Enter a nuber whose factorial you wanna find: "))

if n<=0:

raise Exception

else:

fact = 1

for i in range(n,1,-1):

fact \*= i

print("The Factorial is: ",fact)

except Exception:

if n==0:

print("The Factorial of 0 is : 0")

else:

print("Cannot find the factorial of negative numbers...")

except ValueError:

print("ValueError: invalid literal for int() with base 10: ")